

NCSX Proposed Milestones				
Number	Milestone	Level	Date	Complete =X
1	Complete Physics Validation Review	2	Mar. 01	X
2	Complete CD-0 Milestone	1	May-01	X
3	Select Conceptual Design Configuration	2	Dec. 01	X
4	Submit NEPA Preliminary Hazards Analyses	2	Apr. 02	X
5	Complete Conceptual Design Review	2	May-02	X
6	Receive FONSI	2	Oct. 02	X
7	Complete CD-1 Milestone	1	Nov. 02	X
8	Award Prototype Contracts for Modular Coil Winding Forms	2	Mar. 03	X
9	Award Prototype Contracts for Vacuum Vessel	2	Apr. 03	X
10	Start Preliminary Design (Title I)	2	Apr. 03	X
11	Complete Project Preliminary Design Review for Vacuum Vessel and Modular Coils	2	Oct. 03	X
12	Complete External Independent Review and DOE Performance Baseline Review	2	Nov. 03	X
13	Authorize Prototype Fabrication of MCC and Vacuum Vessel	2	Dec. 03	X
14	Complete CD-2 Milestones	1	Feb. 04	X
15	Initiate Modular Coils Winding Process on a 3D Surface	2	Mar. 04	X
16	Produce First Prototype Modular Coil Winding Form Casting for Machining	2	June-04	X
17	Complete Final Design Review for Modular Coils Winding Forms	2	Jul. 04	X
18	Complete Final Design Review for the Vacuum Vessel	2	Jul. 04	X
19	Complete Prerequisites for CD-3 for Procurement & Fabrication of Components	2	Sep. 04	X
20	Award Conductor Contract	2	Dec. 04	X
21	Complete CD-3 Milestone	1	Sep. 04	X
22	Award Production Contract for Modular Coils Winding Forms	2	Oct. 04	X
23	Award Production Contract for Vacuum Vessel	2	Oct. 04	X
24	First Modular Coil Winding Form Delivered	2	Jul. 05	X
25	Begin fabrication activities for TF Coils	2	Jul. 05	X
26	Complete First Modular Coil Fabrication	2	Mar. 06	X
27	Vacuum Vessel Sectors Delivered	2	Sep. 06	X
28	Last Modular Coil Winding Form Delivered	2	Sep. 07	X
29	Begin Assembly of First Field Period	2	Jul. 07	X

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30	MC Interface Overall FDR (excl C-C)	2	Nov. 07	X
31	TF Coils (4) for FPA #1 assy delivered	2	Aug. 08	X
32	Shims required for 1st MCHP Assy. (Sta. 2) available	2	Feb. 08	X
33	Complete PF Coil PDR	2	Dec. 07	X
34	Complete Trim Coil PDR	2		Mar. 08
35	Complete Trim Coil (including structure) FDR	2		Jun. 08
36	Complete Base Support Structure FDR	2		Jul. 08
37	Award PF Coil fabrication contract	2		Aug. 08
38	Award Trim Coil fabrication contract	2		Sep. 08
39	Complete VPI of 18th (last) modular coil	2		Nov. 08
40	Complete Electrical Power systems PDR	2		Dec. 08
41	Last TF coil delivered	2		Jan. 09
42	Award Coil Support Structure fabrication contract	2		Feb. 09
43	Complete Station 6 specification & assy drawing	2		Mar. 09
44	Complete first modular coil half-period assembly (Sta 2)	2		May-09
45	Trim Coils for FPA #1 assembly delivered	2		Jun. 09
46	Complete Cryostat CDR	2		Jul. 09
47	Complete third modular coil half-period assembly (Sta 2)	2		Oct. 09
48	Coil Structure components delivered	2		Oct. 09
49	PF 5&6 Lower delivered	2		Dec. 09
50	Complete first modular coil-to-vacuum vessel assembly (Sta 3)	2		Jan. 10
51	Complete first Field Period assembly (Sta. 5)	2		May-10
52	Complete power systems FDR	2		Aug. 10
53	Complete 2nd modular coil-to-vacuum vessel assembly (Sta 3)	2		Sep. 10
54	Complete cryostat FDR	2		Oct. 10
55	Complete 3rd modular coil-to-vacuum vessel assembly (Sta 3)	2		Dec. 10
56	Complete base support structure assembly	2		Feb. 11
57	Complete second Field Period assembly (Sta. 5)	2		Mar. 11
58	FPA #3 installed on assembly sleds	2		Jun. 11
59	C-site DC Systems installed	2		Jun. 11
60	E-beam mapping apparatus ready for installation	2		Oct. 11

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61	Move FPA's & spacers together for fitup check	2		Nov. 11
62	complete central safety & interlock systems pre-ops tests	2		Feb. 12
63	Vacuum vessel joint welding complete (3 FP's)	2		Jul. 12
64	Begin vacuum vessel pumpdown	2		Oct. 12
65	All PF Coils installed	2		Dec. 12
66	Begin cryostat installation	2		Feb. 13
67	PSO Operational Readiness Assessment	2		Apr. 13
68	Begin start-up testing	2		May-13
69	Complete cooldown of machine	2		May-13
70	NCSX Startup Complete / CD-4	1		Aug. 13